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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 4

Complete if Known

Application Number	10/552,064
Filing Date	October 4, 2005
First Named Inventor	Oliver SHADT et al.
Group Art Unit	1624
Examiner Name	Noble E. Jarrell
Attorney Docket Number	MERCK-3067

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	A1	2004/0034083		Stephenson et al.	02-19-2004
	A2	2002/0091116		Zhu et al.	07-2002
	A3	2006/0264419		Schiemann et al.	11-2006
	A4	4,258,047		Gante et al.	03-24-1981
	A5	3,926,999		Poetsch, Eike	12-16-1975
	A6	6,150,393		Poetsch, Eike	11-21-2000
	A7	6,043,261		Hansen Jr. et al.	03-28-2000
	A8	4,146,721		BYK GULDEN LOMBERG	03-27-1979
	A9	2006/0276650		Schadt et al.	12-7-2006
	A10	2007/0105871		Schiemann et al.	5-10-2007
	A11	7,368,576		Momose et al.	05-06-2008
	A12	6,090,807		Hellendahl et al.	07-18-2000

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	B1	WO	03088958	A2	Stephenson et al.	10-30-2003		
	B2	WO	0132626	A1	Gaster et al.	05-10-2001		
	B3	WO	98031227	A1	Xiang et al.	07-23-1998		
	B4	WO	03031345	A1	NinoLakis, Markos	04-17-2003		
	B5	WO	03031435	A1	Schiemann et al.	04-17-2003		
	B6	DE	2906252	A1	Gante et al.	08-28-1980		A5
	B7	DE	2201889	A1	Poetsch, Eike	07-19-1973		A6
	B8	WO	0129008	A	Behan et al.	04-26-2001		
	B9	WO	96/33175	A	Hansen et al.	10-24-1996		
	B10	DE	21 41 125	A1	Rainer et al.	02-24-1972		A7
	B11	WO	03/099793	A1	Maekawa et al.	12-04-2003		
	B12	WO	2004/024705	A1	Momose et al.	03-25-2004		A11
	B13	WO	2004/037248	A2	Huck et al.	05-06-2004		
	B14	DE	2258033	A1	Hadamik et al.	05-30-1974		A12

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the

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Application Number	10/552,064
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First Named Inventor	Oliver SCHATZ et al.
Group Art Unit	1624
Examiner Name	Noble E. Jarrell
Attorney Docket Number	MERCK-3067

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. T ²
	C1	Ross et al. Expert Opinion On Therapeutic Patents, 2003, 13(10), 1491-99.
	C2	DATABASE BEILSTEIN "ONLINE - BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; JUNE 27, 1988, XP002283830.
	C3	Vippagunta et al. Advanced Drug Delivery Reviews, 2001, 48, 3-26.
	C4	TAKEHITO OCHI ET AL.: "FR143166 ATTENUATES SPINAL PAIN TRANSMISSION THROUGH ACTIVATION OF THE SEROTONIN SYSTEM" EUROPEAN JOURNAL OF PHARMACOLOGY, Bd. 452, 2002, Pages 319-324, XP002284473, The Entire Document.
	C5	YOSHIKO SUZUKI ET AL.: "IN VITRO AND IN VIVO PHARMACOLOGICAL PROFILE OF 4-(4-FLUOROBENZYLIDENE)-1-[2-(5-(4-FLUOROPHENYL)-1H-PYRAZOL-4-YL)ETHYL] PIPERIDINE (NRA0161)" LIFE SCIENCES, Bd. 71, 2002, pages 2603-2615, XP002284474, The Entire Document.
	C6	KATRITZKY ET AL.: "1,3-DIPOLAR CYCLOADDITIONS OF ELECTRON-RICH BENZOTRIAZOL-1-YLPROPENES" J. HETEROCYCLIC CHEM., Bd. 33, 1996, Pages 1637-1646, XP002284475, Figure 28, Pages. 1640.
	C7	PEREZ ET AL.: "AN EASY METHOD FOR THE N-ALKYLATION OF AMIDES, CARBAMATES, UREAS AND AZOLES..." HETEROCYCLES, Bd. 60, Nr. 1, 25 November 2002, Pages 167-175, XP002284476, Figures 10,11 and 12, Pages 168 and 173.
	C8	O'BRIAN ET AL.: "SOME REACTIONS OF 3-HYDROXY-1-PHENYLPYRAZOLE" J. ORG. CHEM., Bd.31, 1966, Pages 1538-1542, XP002284477, The Entire Document.
	C9	DATABASE CHEMABS "ONLINE" CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1960, GRANDBERG, I. ET AL.: "PYRAZOLES. XII. HYDROXY-AND CHLOROMETHYLATION OF 1-SUBSTITUTED PYRAZOLES" XP002284480, FOUND IN STN, DATABASE ACCESSION NO. 1961:99421, SUMMARY & ZHURNAL OBSHCHEI KHIMII, 30, 3324-8; CODEN: ZOKH44; ISSN: 0044-460X, 1960.
	C10	DATABASE BEILSTEIN: BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 29 NOVEMBER 1988; XP002284481, DATABASE ACCESSION NO. BRN 1127514 CAS-RN; 35000-58-9) SUMMARY & DORN ET AL.: J. PRAKTI. CHEM., Bd. 313, 1971, Pages 236-246.
	C11	BEERNITZ ET AL.: "THE EFFECT OF 1,3-DIARYL-1H-PYRAZOL-4-ACETAMIDES ON GLUCOSE UTILIZATION IN OB/OS MICE" J. MED. CHEM., Bd. 44, Nr. 16, 2001, PAGES 2601-2611, XP002284478; SCHEMA 1, METHODE A, STRUKTUREN 2-5, REAKTIONEN A AND B.
	C12	ECHAVARRIA ET AL.: RESEARCH IN THE AZOLE SERIES. 102 "1. SYNTHESIS AND 13C NMR STUDY OF PYRAZOLE-4-CARBOXYALDEHYDES: J. HETEROCYCLIC CHEM., Bd. 30, 1993, PAGES 957-960, XP002284479, FORMULA 19, PAGE 957.
	C13	DATABASE BEILSTEIN, BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 24 JANUARY 2002, XP002284482, DATABASE ACCESSION NO. BRN 8913586 & BRATENKO ET AL.: RUSS. J. ORG. CHEM. EN, Bd. 37, Nr. 4, 2001, PAGES 552-555.

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NON PATENT LITERATURE DOCUMENTS

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	C14	Caramella, et al., Heterocycles, Vol. 40, No. 2, 1995, pgs. 515-520.	
	C16	Non-Final Rejection dated August 25, 2008 – U.S. Application No. 10/552,065 filed October 5, 2005 (Publication No. 2006/0264419 A1)	
	C17	Non-Final Rejection dated November 20, 2007 – U.S. Application No. 10/551,998 filed October 5, 2006 (Publication No. 2007/0105871 A1)	
	C18	Final Rejection dated August 7, 2008 – U.S. Application No. 10/551,998 filed October 5, 2006 (Publication No. 2007/0105871 A1)	
	C19	Non-Final Rejection dated January 22, 2008 – U.S. Application No. 10/551,905 filed October 5, 2005 (Publication No. 2006/0276650 A1)	
	C20	Final Rejection dated August 8, 2008 – U.S. Application No. 10/551,905 filed October 5, 2005 (Publication No. 2006/0276650 A1)	
	C21	Non-Final Rejection dated March 12, 2009 – U.S. Application No. 10/551,905 filed October 5, 2005 (Publication No. 2006/0276650 A1)	

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